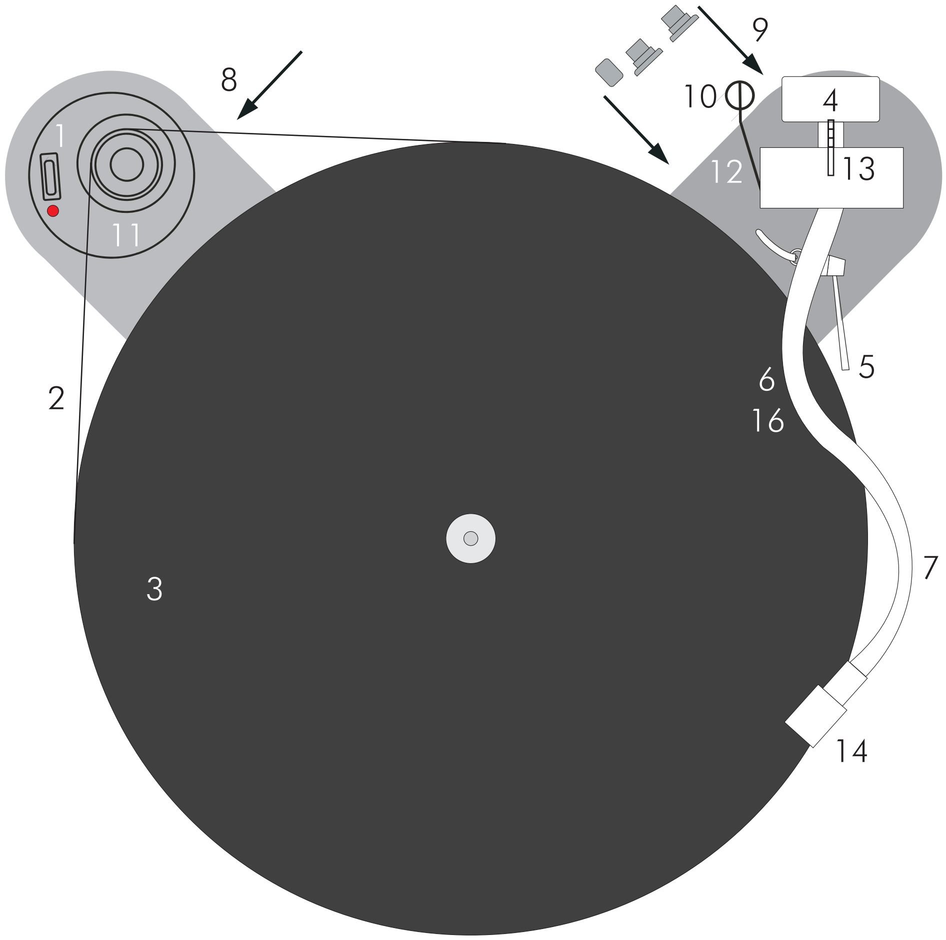
INSTRUCTIONS FOR USE

Pro-Ject RPM 1.3 Genie



Controls, features and connections

1/11	Power switch, motor unit with stepped drive pulley
2	Drive belt *
3	Platter
4	Tonearm counterweight *
5	Tonearm lift lever
6/16	Tonearm rest and removable transport lock
7	Tonearm tube
8	Power supply socket
9	Phono output sockets and earth connection
10	Anti-skating weight *
12	Anti-skating weight support hoop
13	Anti-skating weight adjustment scale
14	Headshell with finger lift and fitted Ortofon OM 3E cartridge
	Connection cable (not shown) *
	Power supply with power switch (not shown) *
	Stylus pressure gauge - white plastic instrument with metal tip (not shown) *
	Hexagonal key (not shown) *

PRO-JECT RPM 1.3 Genie

Dear music lover,

thank you for purchasing a PRO-JECT AUDIO record player.

In order to achieve maximum performance and reliability with this record player you should study these instructions for use carefully.

Warning of a hazard for the user, the unit or possible misuse.

Important notice.

The record player is supplied with a factory fitted and adjusted cartridge.
** The following instructions for adjusting the cartridge are provided in case the cartridge is replaced by a different model at a later date.

During assembly and adjustment of the deck small parts could be lost if not carefully placed in a suitable receptacle. Before starting assembly make yourself acquainted with the parts listed above and correspondingly numbered in the technical drawings above. Separately packed items are marked with an asterisk *.

Set-up

Make sure the surface you wish to use the turntable on is level (use a spirit level) before placing the turntable on it.

After putting the motor unit in place, fit the drive belt (2) around the platter (3) and the smaller diameter part of the motor pulley (1). Avoid getting sweat or grease on the belt as these will deteriorate the performance and reduce the belt's lifespan. Use absorbent kitchen paper to remove any oil or grease from the outer edge of the platter and the belt.

Remove the transport lock (16) from the tonearm. Store in the original packaging so they are available for any future transportation.

Cartridge downforce adjustment

The counterweight (4) supplied is suitable for cartridges weighing between 4 - 9g.

Place counterweight (4) halfway along the counterweight support rod at rear of arm, being sure to have the securing screw uppermost.

With the power off, and the platter static, place the stylus pressure gauge onto the platter (minus felt matt), with metal tip facing but NOT over centre spindle and carefully place the tip of stylus on point marked 17,5 (this represents 17,5mN or 1.75 grams pressure). If the stylus gauge becomes level, then the correct pressure has been achieved. However if the there is insufficient or excessive pressure the gauge will either not move or tilt down.

To adjust the amount of pressure, carefully move the counterweight along the support rod, until the stylus pressure is sufficient to raise the pressure gauge to the level position. Moving the weight towards the cartridge will reduce pressure and away will increase pressure.

Finally secure the counterweight using hexagonal key provided.

Please note: It is advised to remove stylus tip from gauge whilst making adjustments to avoid damage to stylus.

Adjusting the vertical tracking angle (vta)

** Put a record on the platter. When the needle is lowered into the record groove and the tonearm is not resting on the lift arm, the tube of the tonearm should be parallel to the surface of the record.

If it is not loosen both screws in the tonearm base just enough to allow vertical movement of the arm pillar without force and slide the arm up or down until it is parallel.

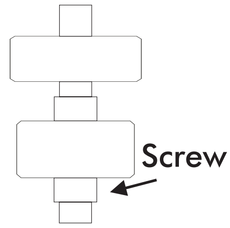
Carefully retighten the screws without applying excessive force (which would deform the arm pillar) – finger tight is quite sufficient.

Adjusting the azimuth

** The cartridge needle must be vertical in the record groove in order to trace the groove wall modulations correctly.

A small screw at the bearing end of the arm allows incorrect azimuth to be corrected if your needle is not mounted exactly perpendicular to the cartridge body (which is often the case).

Slacken off the screw just enough to be able to revolve the arm tube without applying force. Please note: do not remove the screw completely!



With the aid of a good magnifying glass adjust the needle until it is vertical in the groove (i.e. perpendicular to the record's surface). Ideally this should correspond to the top surface of the cartridge body being parallel to the record surface.

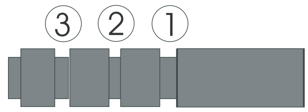
When you are satisfied that the needle is vertical retighten the screw carefully.

☞ *Under no circumstances should the arm tube be adjusted with the needle still in the record groove! Irreparable damage may be caused to the cantilever suspension! The arm must be lifted to make each adjustment and lowered afterwards to check it.*

Anti-skating force adjustment

The anti-skating force must be adjusted corresponding to the downforce as follows:

Downforce	Groove in the stub (13)
10 - 14mN	1st from bearing rings
15 - 19mN	2nd " " "
20mN and bigger	3rd " " "



13

Hang the loop of the thread of the anti-skating weight in the groove of the anti-skating stub (13) corresponding to the downforce applied to your cartridge and feed the thread through the loop of the wire support (12).

Connection to the amplifier

The record player has gold plated female RCA phono sockets (9) so you can substitute the interconnect cables supplied with those of your choice for connection to the amplifier if you wish. Your dealer can advise you on alternative cables. Use the Phono input (sometimes labelled gram, disc or RIAA) on your amplifier. Make sure that the phono input offers correct matching and amplification for the type of cartridge used. Line inputs (such as CD, Tuner, Tape or Video) are not suitable.

Take care to connect the left and right channels correctly. The right channel is usually marked red, the left channel black or white. Check the manual supplied with your amplifier for relevant information. An earthing wire may be connected to the screw terminal between the sockets if you encounter hum problems when using the record player.

If your amplifier does not have an input suitable for phono cartridges you will require a separate phono amplifier stage for MM or MC cartridges such as the PRO-JECT PHONO BOX or the PRO-JECT TUBE BOX which is then connected between the record player and a free line level input of the amplifier.

For detailed product information please refer to the Pro-Ject web site www.project-audio.com.

☞ *The recommended load resistance for the factory fitted cartridge is:* **47kohms/MM-input**

Mains power connection

The turntable is supplied with a power supply suitable for your country's mains supply. Check the label before connecting to ensure compliance with the mains rating in your house.

Connect the low voltage plug from the power supply to the socket (8) on the rear of the record player before connecting the power supply to the mains.

Switching on and off

Pressing the power switch (1) alternately starts or stops the motor.

Changing replay speed

Put the belt (2) over the larger diameter part of the motor pulley (11). To revert to 33 1/3 r.p.m. repeat the proceedings using the smaller step on the pulley.

When the Pro-Ject Speed Box ore the Speed Box SE are used speed change between 33 and 45 r.p.m. is electronic. There is no need to move the belt manually.

For detailed product information please refer to the Pro-Ject web site www.project-audio.com.

Maintenance and cleaning

Your record player requires little or no regular maintenance. Remove dust with a slightly moistened antistatic cloth. Never use a dry cloth because this will create static electricity which attract more dust! Antistatic cleaning fluids are available at specialist stores but must be applied sparingly to avoid damage to rubber parts. It is recommended to fit the needle cover before cleaning or maintenance is carried out to avoid damage.

If the player is not used over a long period of time the drive belt can be removed to prevent unequal stretching.

Always disconnect the record player from the mains power supply as a precaution before maintenance!

Fitting and connecting the cartridge

** All cartridges with half inch mounting holes can be fitted. Leaving the needle's protection cover on, fit the cartridge to the headshell using the screws supplied with the cartridge by passing one screw through each slot in the headshell (14). Do not tighten the nuts yet.

Connect the tonearm wires to the cartridge pins as follows:

white	left channel positive (L+)
red	right channel pos. (R+)
green	right channel return (R -)
blue	left channel return (L -)

The full sound quality of the record player can only be achieved if the cartridge is correctly adjusted. Particular tools like the PRO-JECT alignment tool are required to accomplish this job properly.

If you are not well acquainted with the adjustment of cartridges you are advised to call upon the willing help of your PRO-JECT dealer to accomplish this task for you.

Please note: adjusting a cartridge and tonearm calls for the greatest care in order to avoid damaging the cartridge or tonearm bearings. Leave this work to your dealer if you are in any way unsure of the necessary steps and precautions to be taken.

Useful tips

The record player should be positioned on a low-resonance surface such as wood or multiple layer ply board to avoid structural vibrations disturbing replay.

Technical specifications PRO-JECT RPM 1.3 Genie

Nominal speeds	33,33/45,11 r.p.m.
Speed variance	±0,8%
Wow and flutter	±0,15%
Signal to noise	-70dB
Downforce range	15-30mN
Effective tonearm length	8,6 " (219mm)
Overhang	19mm
Power consumption	2W
Outboard power supply	16V/200mA AC, suitable for your country's mains supply
Dimensions (W x H x D)	380 x 115 x 350mm
Weight	3,3kg

Potential incorrect use and fault conditions

PRO-JECT turntables are manufactured to the highest standards and undergo strict quality controls before leaving the factory. Faults that may possibly occur are not necessarily due to material or production faults but can sometimes be caused by incorrect use or unfortunate circumstances. Therefore the following list of common fault symptoms is included.

The platter doesn't turn although the unit is switched on:

The unit is not connected to the mains power supply.
No mains at the socket.
Drive belt is not fitted or has slipped off.

No signal through one or other channel or both channels:

No signal contact from the cartridge to the internal tonearm wiring or from that to the arm lead or from that to the phono box or between that and the amplifier. This could be due to a faulty plug, broken wire or solder joint or simply loose plug/socket connection.
Phono input not selected at amplifier.
Amplifier not switched on.
Amplifier or speakers defective or muted.
No connection to the loudspeakers.

Strong hum on phono input:

No earth connection from cartridge or arm or arm cable to amplifier, or earth loop.

Distorted or inconsistent sound from one or both channels:

Record player is connected to wrong input of amplifier, or MM/MC switch incorrectly set.
Needle or cantilever damaged.
Wrong r.p.m., drive belt overstretched or dirty, platter bearing without oil, dirty or damaged.

Service

Should you encounter a problem which you are not able to alleviate or identify despite the above information, please contact your dealer for further advice. Only when the problem cannot be resolved there should the unit be sent to the responsible distributor in your country.

Guarantee repairs will only be effected if the unit is returned correctly packaged. For this reason we recommend keeping the original packaging.

Never return a record player without making sure that is it safely disassembled and correctly packaged in the original packaging according to the diagrams on the last page of this user guide.

Fit the cartridge protection cap. Insert the transport lock for the tonearm (16) prior to carefully packaging the record player.

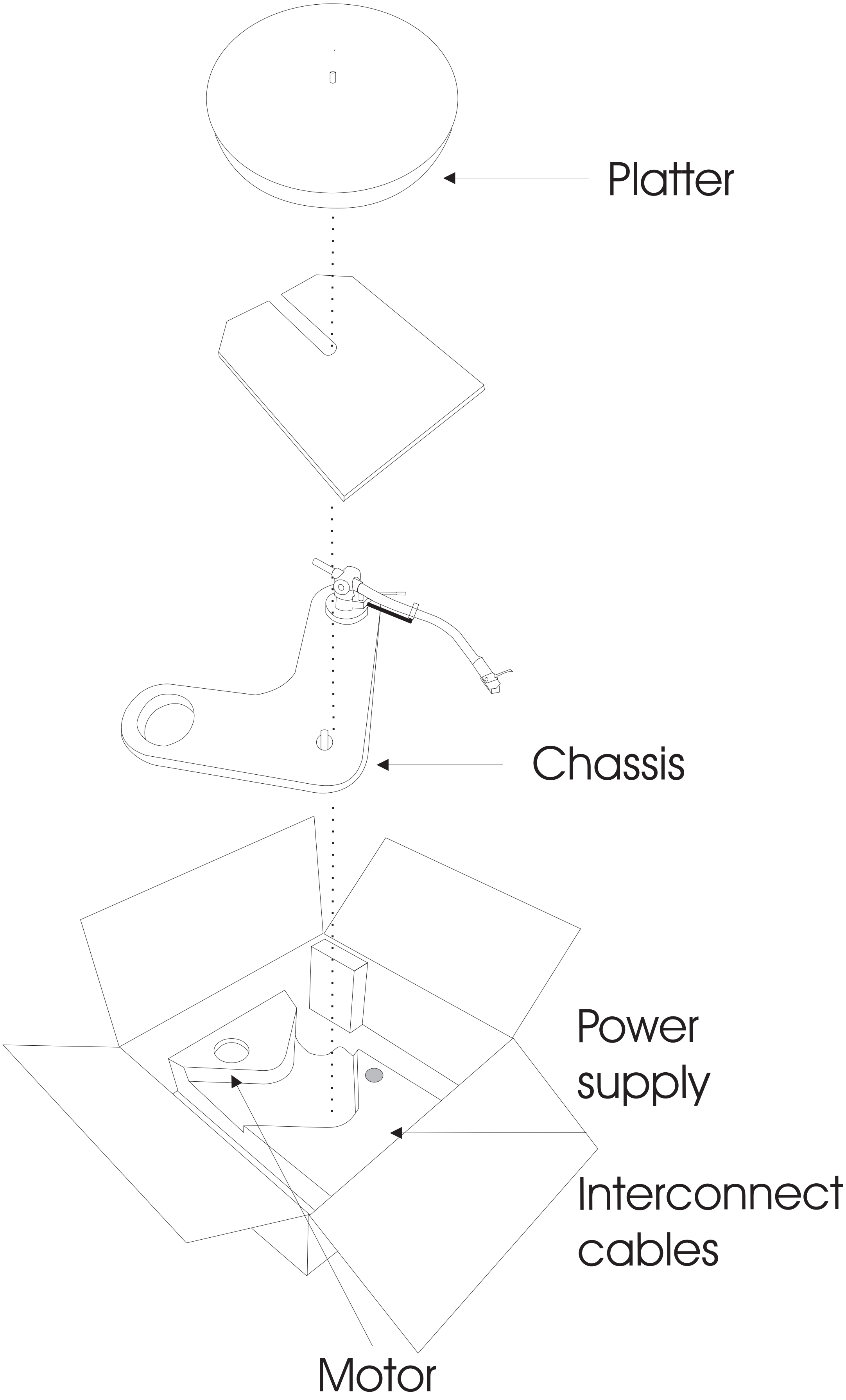
Warranty

The manufacturer accepts no responsibility for damage caused by not adhering to these instructions for use and/or by transportation without the original packaging. Modification or change to any part of the product by unauthorized persons release the manufacturer from any liability over and above the lawful rights of the customer.

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The information was correct at the time of going to press. The manufacturer reserves the right to make changes to the technical specification without prior notice as deemed necessary to uphold the ongoing process of technical development.


Platter
Chassis
Power
supply
Interconnect
cables
Motor